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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10155 (1982): Blade Plate, Femoral, Lower [MHD 2: Orthopaedic Instruments, Implants and Accessories]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard
SPECIFICATION FOR
BLADE PLATE, FEMORAL, LOWER

1. Scope — Covers dimensional and other requirements for lower femoral blade plate, used as implant in orthopaedic surgery.

2. Shape and Dimensions — As shown in Fig. 1.

2.1 Deviation of ± 2.5 percent shall be permitted on all dimensions where not otherwise specified.

3. Material — Any of the material specified in 3 of IS : 5347-1979 ' General requirements for metal surgical implants (*first revision*) '.

4. Workmanship and Finish

4.1 Each plate shall be pressed in one-piece such that the plate portion and the blade portion forms an angle of $92^\circ \pm 2^\circ$ as shown in Fig. 1.

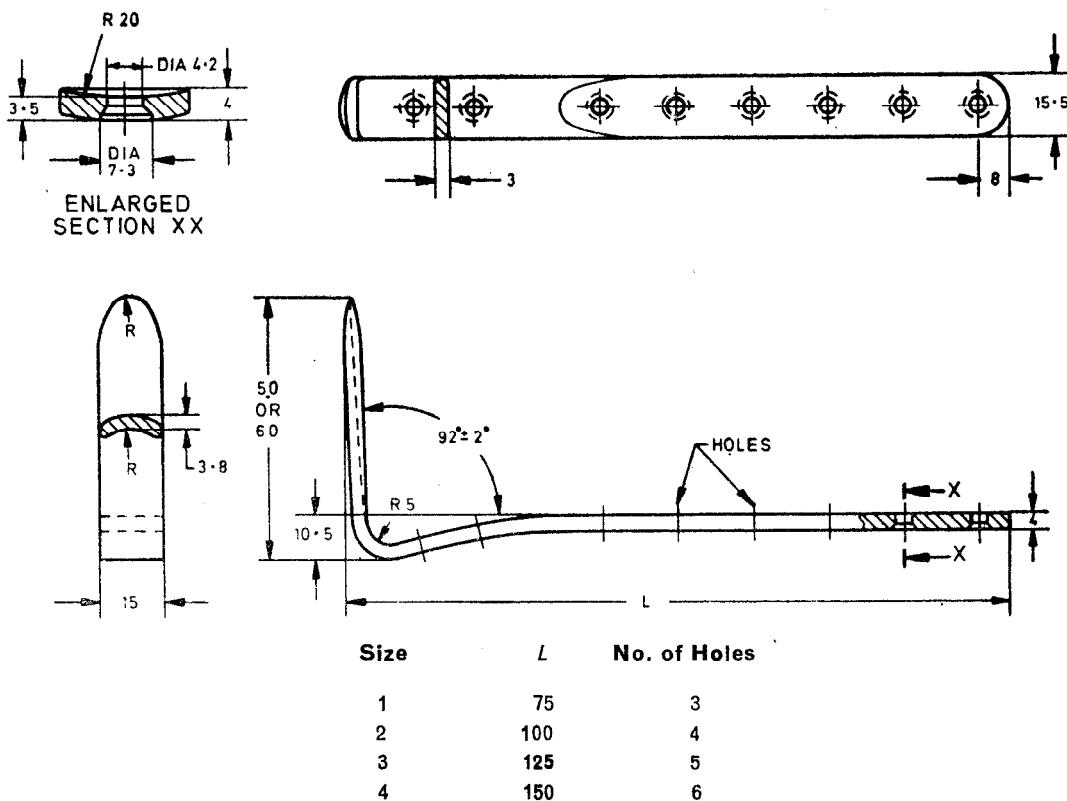


FIG. 1 BLADE PLATE, FEMORAL, LOWER

4.2 The blade shall be semi-sharp.

4.3 The holes in the plate shall be uniform and symmetrical with respect to the central line of the plate.

4.4 The plate shall be free from cracks, drawmarks, pits, burrs, surface contamination and impregnated foreign particles, when examined under a magnification of 10 X.

4.5 The plate shall be electropolished and passivated.

5. Tests

5.1 *Corrosion Resistance Test* — As per 6.1 of IS : 5347-1979.

5.2 *Radiological Test* — As per 6.2 of IS : 5347-1979.

6. Marking — As per 5.1 of IS : 5347-1979.

6.1 *ISI Certification Marking* — Details available with the Indian Standards Institution.

7. **Packing** — The tip of each blade shall be covered with plastic coating. The blade shall then be packed individually in polyethylene bags. The number of such pieces may be packed in cartons as agreed to between the purchaser and the supplier.